Adaptec RAID 1430SA

PCI Express x4, 4-port SATA 3Gb/s supporting RAID 0, 1, 10

4 Serial ATA 3Gb/s ports, PCIe x4, low-profile form factor with Native Command Queuing, RAID 0, 1, and 10 for desktops, workstations and entry-level servers

Product Description

Serial ATA 3Gb/s, the successor technology to SATA for data storage, is a point-to-point connection that delivers full throughput to each storage device by allowing multiple ports to be managed by a single controller.

The Adaptec RAID 1430SA card is a four-port controller featuring Adaptec HostRAID™ - an integrated RAID technology that maximizes system performance and uptime. The Adaptec 1430SA supports up to four 3Gb/s Serial ATA drives, Native Command Queuing, and offers RAID levels 0, 1, 10, and JBOD (individual drive). The Adaptec 48-bit logical block addressing (LBA) support enables use of disk drives exceeding 137 GB in capacity. The Adaptec 1430SA supports Windows® 2000, Windows Server 2003, Windows XP, RedHat Linux, SuSE Linux, and NetWare.

Leistungsmerkmale

- 4 Serial ATA 3Gb/s Ports for support of up to 4 SATA disk drives
- PCI Express x4 host interface
- RAID 0, 1, 10, and JBOD
- Native Command Queuing
- 48-bit LBA support for drives above 137GB
- Low-profile form factor
- Bootable array support
- RoHS compliant
- Komplette Liste der gestützten Betriebssysteme

Technical Specifications

Unterstützte Betriebssysteme

Microsoft Windows
Red Hat Linux
SuSE Linux
Novell NetWare

For a detailed list see ASK Answer ID 14857

Vorzüge

Low-cost Serial ATA 3Gb/s RAID card with HostRAID™ RAID 0, 1 and 10 for data protection and increased performance

Hauptunterscheidungsmerkmale

- PCI Express x4
- RAID 0, 1, 10, and JBOD
- Native Command Queuing (NCQ)
- Supports bootable arrays
- 48-bit LBA supports large capacity drives
- Low-profile form factor
- RoHS compliant

Kundenanforderungen

Ideal for desktop and workstations as well as entry-level servers requiring low cost SATA RAID 0, 1, and 10.

Systemumgebung

Small office and home office as a boot device for print, file, and storage servers.

Anzahl der Geräte

Up to 4 SATA II 3Gb/s or SATA I 1.5 Gb/s disk drives

Bussystem Schnittstellentyp

PCI Express 4-lane 2.5 Gb/s

Externe Anschlüsse

None

Interne Anschlüsse

4 stacked SATA connectors

Datenübertragungsrate

up to 3 Gb/s per port

Systemvoraussetzungen

Intel or AMD Architecture with available PCI Express x4 slot

Paketinhalt

- Adaptec 1430SA controller with full-size bracket
- Four 1-meter Serial ATA cables
- Low-profile replacement bracket
- Quick Install Guide
- Bootable Installation CD containing:
  -- Operating system drivers
  -- Complete user documentation (pdf)
- Adaptec Storage Manager CD containing:
  -- Adaptec Storage Manager GUI software
  -- Complete user documentation (pdf)

Garantie

3 years

Board Dimensions

2.5 inch H x 4.7 inch L
6.4 cm H x 11.3 cm L

Operating Temperature

0° to 55° C

Power consumption

0.9 amps@+5V